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Application Number Information

Application Number: **09/670113**
Assignments
Examiner Number: **79747 / PATEL, SHEFALI**
Filing Date: **09/26/2000**
Group Art Unit: **2621**
Effective Date: **09/26/2000**
Class/Subclass: **382/100.000**
Application Received: **09/27/2000**
Lost Case: **NO**
Patent Number:
Interference Number:
Issue Date: **00/00/0000**
Unmatched Petition: **NO**
Date of Abandonment: **00/00/0000**
L&R Code: Secrecy Code:**1**
Attorney Docket Number: **60299**
Third Level Review: **NO**
Secrecy Order: **NO**
Status: **71 /RESPONSE TO NON-FINAL OFFICE ACTION ENTERED AND FORWARDED TO EXAMINER**
Status Date: **02/20/2004**
Confirmation Number: **4862**
Oral Hearing: **NO**
Title of Invention: **METHODS OF PROCESSING TEXT FOUND IN IMAGES**

Bar Code	PALM Location	Location Date	Charge to Loc	Charge to Name	Employee Name	Location
09670113	26X1	02/24/2004	No Charge to Location	No Charge to Name	PATEL,SHEFALI	PK1/04/A 07

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Inventor Name Search Result

Your Search was:

Last Name = CONWELL
First Name = WILLIAM

Application#	Patent#	Status	Date Filed	Title	Inventor Name 16
60327687	Not Issued	159	10/05/2001	DIGITAL WATERMARKING METHODS, PROGRAMS AND APPARATUS	CONWELL, WILLIAM Y.
60257822	Not Issued	159	12/21/2000	WATERMARK SYSTEMS AND METHODS	CONWELL, WILLIAM Y.
60198857	Not Issued	159	04/21/2000	AUTHENTICATING METADATA AND EMBEDING METADATA IN WATERMARKS OF MEDIA SIGNALS	CONWELL, WILLIAM Y.
10448544	Not Issued	093	05/29/2003	SUBSTITUTING INFORMATION BASED ON WATERMARK-ENABLED LINKING	CONWELL, WILLIAM Y.
10265348	Not Issued	030	10/04/2002	DIGITAL WATERMARKING METHODS, PROGRAMS AND APPARATUS	CONWELL, WILLIAM Y.
09888339	Not Issued	041	06/21/2001	CONTENT IDENTIFIERS TRIGGERING CORRESPONDING RESPONSES THROUGH COLLABORATIVE PROCESSING	CONWELL, WILLIAM Y.
09840018	Not Issued	030	04/20/2001	AUTHENTICATING METADATA AND EMBEDDING METADATA IN WATERMARKS OF MEDIA SIGNALS	CONWELL, WILLIAM Y.
09670113	Not Issued	071	09/26/2000	METHODS OF PROCESSING TEXT FOUND IN IMAGES	CONWELL, WILLIAM Y.
09633587	Not Issued	041	08/07/2000	DOCUMENT MANAGEMENT USING ADHESIVE NOTES	CONWELL, WILLIAM Y.
09630243	Not	095	07/31/2000	DIGITAL WATERMARKS AND	CONWELL,

	Issued			TRADING CARDS	WILLIAM Y.
09578551	Not Issued	123	05/25/2000	METHODS OF LEASING VIRTUAL ADDRESSES	CONWELL, WILLIAM Y.
09515826	Not Issued	093	02/29/2000	PAPER PRODUCTS AND PHYSICAL OBJECTS AS MEANS TO ACCESS AND CONTROL A COMPUTER OR TO NAVIGATE OVER OR ACT AS A PORTAL ON A NETWORK	CONWELL, WILLIAM Y
09504239	Not Issued	071	02/15/2000	DATA TRANSMISSION BY WATERMARK PROXY	CONWELL, WILLIAM Y.
09502542	Not Issued	061	02/10/2000	METHOD AND SYSTEM FOR FACILITATING ON-LINE SHOPPING	CONWELL, WILLIAM Y
09476686	Not Issued	041	12/30/1999	PERSONAL AUDIO APPLIANCE	CONWELL , WILLIAM Y.
09449503	Not Issued	161	11/24/1999	ANALYTIC METHOD AND APPARATUS EMPLOYING PATENT DATA	CONWELL , WILLIAM Y.

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Inventor Information for 09/670113

Inventor Name	City	State/Country
CONWELL, WILLIAM Y.	PORTLAND	OREGON

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Searching for multimedia on the World Wide Web

Swain, M.J.
Res. Lab., Compaq Comput. Corp., Cambridge, MA , USA;

This paper appears in: **Multimedia Computing and Systems, 1999. IEEE International Conference on**

Meeting Date: 06/07/1999 - 06/11/1999
Publication Date: 7-11 June 1999
Location: Florence Italy
On page(s): 32 - 37 vol.1
Volume: 1
Reference Cited: 12
Number of Pages: 2 vol. (xlix+909+1127)
Inspec Accession Number: 6331165

Abstract:
The proliferation of multimedia on the World Wide Web has led to the introdu Web search engines for images, video and audio. On the Web, multimedia is embedded within documents that provide a wealth of indexing information. I computational constraints imposed by the economics of advertising-supportec restrict the complexity of analysis that can be performed at query time and us unwilling to do much more than type a keyword or two to input a query. Ther primary sources of information for indexing multimedia documents are text cu extracted from HTML pages and multimedia document headers. Off-line analy content of multimedia documents can be successfully employed in Web searcl when combined with these other information sources. Content analysis can be categorize and summarize multimedia, in addition to providing cues for findin documents

Index Terms:
Internet content-based retrieval hypermedia markup languages indexing informat resources multimedia systems search engines HTML pages Web search engines Web advertising-supported search audio content analysis images indexing inf sources keyword multimedia document headers multimedia searching offline anal cues video

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Implementation of embedded streaming of large vi application using object-relational database and PH

Mann, R.S. Devgan, S.S.
Dept. of Electr. & Comput. Eng., Tennessee State Univ., Nashville, TN, USA;
This paper appears in: **Southeastcon 2000. Proceedings of the IEEE**

Meeting Date: 04/07/2000 - 04/09/2000
Publication Date: 7-9 April 2000
Location: Nasville, TN USA
On page(s): 201 - 204
Reference Cited: 6
Number of Pages: xviii+542
Inspec Accession Number: 6656788

Abstract:
There has been much interest in databases that store multimedia data, which static media, like text and images, and dynamic or continuous media, like au video. Conventional database systems are designed for managing textual and data. Storing and retrieving such data is often based on simple comparisons c numerical values. However, this method of storing and retrieval is not adequa multimedia data, since the digitized representation of these data types does r the reality of these media items. The conventional method is to store the larg multimedia data in a file server and store the associated metadata in a databa retrieval is done by downloading the files from one computer to the user's cor before playing it. The large size of these files results in long download times. proposes an alternative method of storing multimedia data along with its assc metadata in an object-relational database. The proposed method offers faster time, secured backup, and concurrent login. The paper shows how database s be architected to support multimedia data, making use of an object-relational system such as PostgreSQL. The main challenge is delivering data over the W real time video streaming. The results show that there is a significant change rate and Web access time when data is stored in a single database instead of server. The application of a multimedia database thus created can be used in application domains such as digital libraries, training and education, medical c containing X-rays, etc

Index Terms:

SQL information retrieval multimedia databases object-oriented databases relation databases video servers PHP PostgreSQL Web access time World Wide Web c login continuous media data types digital libraries digitized representation downlo education embedded streaming large multimedia data large video application strean databases metadata multimedia databases object-relational database real time vid retrieval rate retrieval time secured backup static media training

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IMPLEMENTATION OF EMBEDDED STREAMING FOR LARGE VIDEO APPLICATIONS USING OBJECT-RELATIONAL DATABASE AND PHP

Ravneet S. Mann, Dr. Satinderpaul S. Devgan
Department of Electrical and Computer Engineering
Tennessee State University

ABSTRACT

There has been much interest in databases that store multimedia data, which comprises of static media, like text and images, and dynamic or continuous media, like audio and video. Conventional database systems are designed for managing textual and numerical data. Storing and retrieving such data is often based on simple comparisons of text or numerical values. However, this method of storing and retrieval is not adequate for the multimedia data, since the digitized representation of these data types does not convey the reality of these media items. The conventional method is to store the large multimedia data in a file server and store the associated metadata in a database. The retrieval is done by downloading the files from one computer to the user's computer before playing it. The large size of these files results in long download times. This paper proposes an alternative method of storing multimedia data along with its associated metadata in an object-relational database as it offers several advantages over file storage system. The proposed method offers faster retrieval time, secured backup, and concurrent login. This paper shows how database systems can be architectured to support multimedia data making use of object-relational database system such as PostgreSQL. The main challenge is delivering data over the web using real-time video streaming. The results show that there is a significant change in retrieval rate and web access time, when data is stored in a single database instead of a file server. The application of multimedia database thus created can be used in different application domains such as digital libraries, training and education, medical databases containing X-rays, etc.

INTRODUCTION

During the past three decades, the database technology for information systems has undergone many changes. The transition from one generation to the next has always been necessitated by the ever-increasing complexity of database applications. There has been much interest in databases that store multimedia data, such as images, audio, and video. Multimedia data have certain attributes that complicate their storage in conventional databases [3]. First, it tends to be very voluminous and second, the continuous media data, such as audio and video has timing characteristics associated with it and often has descriptive attributes, such as when it was created, who created it, and to what category does it belong. When the number of multimedia objects is relatively small, features provided by databases are usually not that important but database functionality becomes very important when the number of multimedia objects stored is large [2]. Examples of dynamic applications include digital libraries, training and education, medical data containing X-rays, police documents in the database that may contain fingerprints etc. To support modern applications that use multimedia data, it is quite clear that there is need for database functionality to support multimedia data effectively and then share it over the web.

NEED ANALYSIS

Consider a multimedia database with built in multimedia seminar presentation. This presentation may be about a historical event. If multimedia information is added to this tutorial, not only will the students be able to understand the contents better, there will be less need for textual description from the instructor. Direct lectures in the form of movie clips can be integrated with the conventional data. Thus, the presentation may include the history of the lecture, when it was conducted and if there is reference material concerning the lecture, etc.

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1 **Digital data processing for intellectual property rights preservation World Wide Web**
Garofalakis, J.; Kappos, P.; Sirmakessis, S.; Tzimas, G.;
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[Abstract] [PDF Full-Text (480 KB)] **IEEE CNF**

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Mann, R.S.; Devgan, S.S.;
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